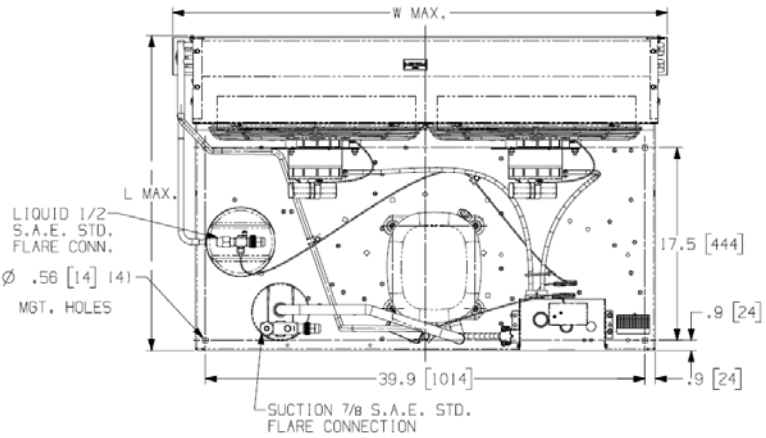
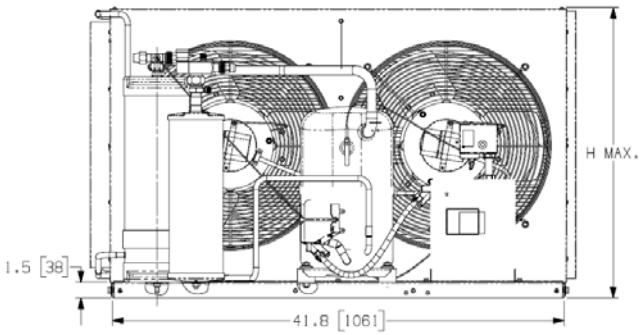
April 12, 2011

Tecumseh Compressor Company
Indoor Condensing Units

Model: AGA4549CXTXM **BoM: 2A4094-1** **R407C** **4 HP** **AIRCOOLED**





Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AGA4549CXTXM	28.8	44.9	26.9	18.9	7/8” RF	1/2” RF	30 lbs	4200	65	365
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T,		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
5	23.5	18879	3227	88	16493	3216	97	14304	3138	106	6531	2500	111
10	27.9	22505	3457	90	19831	3457	99	17475	3412	107	10907	2920	113
15	32.7	26356	3703	91	23363	3716	100	20802	3701	109	15228	3340	116
20	37.9	30431	3963	93	27089	3994	102	24287	4005	111	19494	3760	118
25	43.6	34730	4238	95	31008	4290	104	27930	4323	113	23705	4180	121
30	49.6	39253	4527	97	35121	4604	107	31729	4656	115	27861	4600	124
35	56.1	44001	4831	99	39428	4937	109	35686	5003	117	31962	5020	126
40	63.2	48973	5150	102	43929	5288	111	39801	5365	119	36008	5440	129
45	70.7	54170	5483	104	48623	5658	114	44072	5742	122	39999	5860	131
50	78.8	59591	5830.7	107	53512	6045.4	116	48501	6134	125	43935	6280	134
55	87.9	65236	6193	110	58594	6452	119	53087	6540	128	47816	6700	136

60 Hz Performance

Return gas temp. 65°F, 5°F sub cooling

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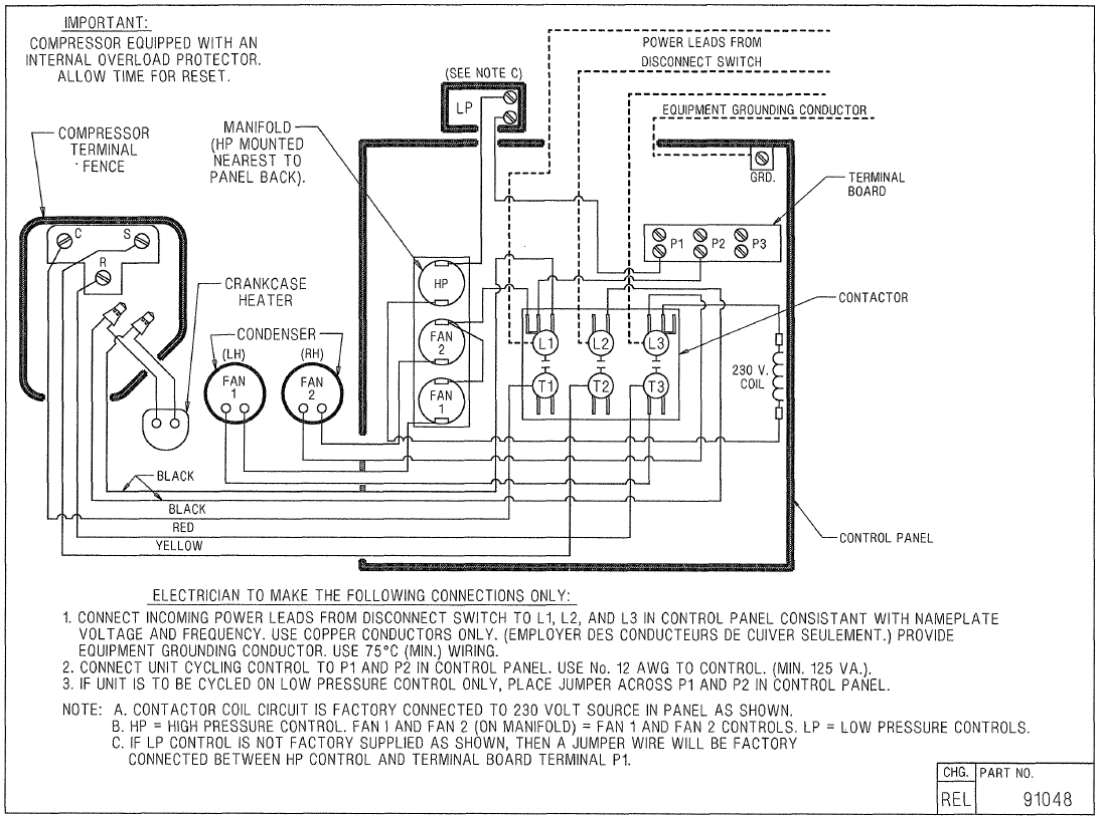
Specifications/ Parts:

Model	AGA4549CXTXM
Unit Bill of Material	2A4094-1
Nominal Volts-Hz-Ph	200-230-60-3
Refrigeration Range	20° to 55°
Design Pressure Low	150
Design Pressure High	450
Voltage Range	180 to 254
Min. Circuit Ampacity	22.0
Max. Fuse Size (amps)	35
Compressor Model	AGA5549CXT
Comp. Bill of Material	AG122ST-003-P21
Compressor RLA/LRA	15.3 / 103
Overload	INTERNAL
Relay	N/A
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	N/A
Start Capacitor Rating	N/A
Contactor	91014
Unit Drawing	DGU1901-22
Wiring Diagram	91048

Fan Motor	810S124B38 (2)
Fan Motor RLA	1.35
Fan Blade	51529-3 (2)
Fan Guard	70832 (2)
Fan Shroud	70611-1
High Pressure Switch	84095-1
Low Pressure Control	84026-2
Fan Switch 1	84096-1
Condenser	50785-4
Headmaster Valve *	N/A
Fan Switch 2	84096-2
Receiver Tank	51082-2K
Liquid Valve	31585
Liquid Filter *	N/A
Sight Glass *	N/A
Suction Valve	31576
Rotolock Valve Gasket	30618
Discharge Valve *	N/A
Suction Filter *	N/A
Accumulator	TK00044000
Crankcase Heater *	90699
Defrost Timer *	N/A
* = Outdoor Units Only	
Options for Outdoor Units	
Receiver Heater	N/A
Solenoid Valve	N/A

Electrical Wiring Diagram


IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
POWER LEADS FROM DISCONNECT SWITCH
(SEE NOTE C)
LP
EQUIPMENT GROUNDING CONDUCTOR
GRD.
TERMINAL BOARD
COMPRESSOR TERMINAL FENCE
MANIFOLD (HP MOUNTED NEAREST TO PANEL BACK).
C
S
R
P1
P2
P3
HP
CRANKCASE HEATER
CONTACTOR
CONDENSER
(LH)
(RH)
FAN 2
FAN 1
L1
L2
L3
T1
T2
T3
230 V. COIL
BLACK
BLACK
RED
YELLOW
CONTROL PANEL
ELECTRICIAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1, L2, AND L3 IN CONTROL PANEL CONSISTANT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
2. CONNECT UNIT CYCLING CONTROL TO P1 AND P2 IN CONTROL PANEL. USE No. 12 AWG TO CONTROL. (MIN. 125 VA.).
3. IF UNIT IS TO BE CYCLED ON LOW PRESSURE CONTROL ONLY, PLACE JUMPER ACROSS P1 AND P2 IN CONTROL PANEL.
NOTE: A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 VOLT SOURCE IN PANEL AS SHOWN.
B. HP = HIGH PRESSURE CONTROL. FAN 1 AND FAN 2 (ON MANIFOLD) = FAN 1 AND FAN 2 CONTROLS. LP = LOW PRESSURE CONTROLS.
C. IF LP CONTROL IS NOT FACTORY SUPPLIED AS SHOWN, THEN A JUMPER WIRE WILL BE FACTORY CONNECTED BETWEEN HP CONTROL AND TERMINAL BOARD TERMINAL P1.
CHG.
PART NO.
REL
91048